

## Meeting Minutes

**[REROUTE – Group 16]**

## Meeting Minutes

**Date:** [01/08/2025]

**Time:** [440 pm]

**Location:** [Virtual Platform, Discord]

**Facilitator/Chairperson:** [None]

**Note Taker:** [Andrew Pauls]

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## 1. Attendance

### Present:

- [Cole Corbett - Developer ]
  - [Cam Carvalho– Developer]
  - [Tristan Arana Charlebois – Developer]
  - [Jordan Wallace - Developer]
  - [Turner Kassie – Scrum Master]
  - [Andrew Pauls – Product Owner]
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## 2. Agenda Overview

1. [What is our topic going to be]
  2. [How will the work be divided and whose doing it]
  3. [Designating Scrum Master/Product Owner]
  4. [What needs to be done next]
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## 3. Discussion & Key Points

### Topic 1: [Topic Selection]

- **Summary:** [Group had met after the first class and discussed some possible project ideas. These ideas were rediscussed]
- **Decisions Made:** [ pursue C. Corbett’s vision of a Multi-TSP Route Planning Website ]

### Topic 2: [The architecture of the project, and the division of labour]

- **Summary:** Discussion about how the application should be structured. Members shared their preferences for which parts they would like to work on.
- **Decisions Made:** The high level architecture would be: Frontend as web interface, possibly implemented for mobile devices. Users would create accounts, so that their common routes can be saved, speeding up compute time. A Genetic Algorithm would compute single and multi TSP routes between locations users entered on the frontend. A server would connect frontend to backend.

#### **Division of Labour:**

Cole and Turner – Backend, Genetic Algorithm

Jordan Wallance – Frontend

Cam Carvalho – Backend, Server

Tristan Arana Charlebois – Backend, Database and User Account Creation

Andrew Pauls – Backend, Server, and where needed

- **Action Items:**

#### **Topic 3: [Designation of Leadership Roles]**

- **Summary:** Most were easy going about the leadership roles, Andrew and Turner said they are willing to take it on
- **Decisions Made:** Andrew designated Product Owner, Turner designated Scrum Master
- **Action Items: [1]** [Create, Hand in Project Proposal]

#### **Topic 4: [What needs to be done next]**

- **Summary:** Project Proposal is top priority. Also - Determining how data would be transmitted from frontend to backend, which API's would be needed from the web to perform what services. How the GUI should look. What Server Stack to use.
- **Decisions Made:**
  - Turner would write the Project Proposal.
  - GUI would be similar to google maps, users list addresses, see a map
  - GUI sends the addresses, number of vehicles to backend
  - Frontend hosted and deployed using Vercel, RabbitMQ
  - GA in python, returns coordinates
  - API needed to convert Addresses to Coordinates
  - Frontend shows, in the final stage, a route like Google Maps
- **Action Items: [2]** [Find a free/open source library with world mappings (coordinates)]

- [3] [Set up a generic frontend (not connected to backend yet)]
  - [4] [Set up Vercel/Rabbit MQ]
  - [5] [Create a Github]
  - [6] [Find a free/open source library that can swap coordinates for address]
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#### 4. Action Items & Next Steps






Action Item	Assigned To	Due Date	Status
[Task 1]	Turner	Jan 12	pending
[Task 2]	Turner, Cole	Jan 14	pending
[Task 3]	Jordan	Jan 14	pending
[Task 4]	Cam	Jan 14	pending
[Task 5]	Andrew	Jan 10	pending
[Task 6]	Cole	Jan 14	pending

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#### 5. Additional Notes / Other Business

- No Project name at this point
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#### 6. Next Meeting Details

-  **Date & Time:** [Jan 14, 2025 at 10:00]
-  **Location:** [Schmon Tower 236 or via virtual link]
-  **Key Topics for Next Meeting:**
1. [What people have come up with]
  2. [Moving Forward]
-  **Meeting Adjourned at:** [5:20 p.m.]
-  **Minutes Prepared By:** [Andrew Pauls]